

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (currently amended) A recording apparatus, comprising:

compression process means for compressing an input digital signal as a function of ~~corresponding to~~ a predetermined compression process and segmenting the compressed digital signal into blocks;

fixed value generating means for generating a predetermined fixed value;

adding means for adding the fixed value generated by said fixed value generating means at a predetermined timing to the blocks of the digital signal compressed by said compression process means;

encrypting means for encrypting the fixed value and the compressed digital signal added by said adding means; and

recording means for recording the fixed value and the compressed digital signal encrypted by said encrypting means to a record medium.

2. (original) The recording apparatus as set forth in claim 1,

wherein the record medium is attachable/detachable to/from the recording apparatus.

3. (original) The recording apparatus as set forth in claim 1,

wherein the record medium is a non-volatile memory.

4. (original) The recording apparatus as set forth in claim 1,
wherein the fixed value generated by said fixed value generating means is varied
corresponding to a compression rate.
5. (original) The recording apparatus as set forth in claim 1,
wherein the digital signal is a digital audio signal, and
wherein the fixed value generated by said fixed value generating means is varied
corresponding to a channel.
6. (original) The recording apparatus as set forth in claim 1,
wherein when a plurality of blocks of the compressed digital signal compose the
minimum encrypting unit, the fixed value is added to the first block of the plurality of blocks by
said adding means.
7. (original) The recording apparatus as set forth in claim 1,
wherein the fixed value is added to all blocks of the plurality of blocks by said adding
means.
8. (currently amended) A recording method, comprising the steps of:
compressing an input digital signal as a function of ~~corresponding to a~~ predetermined
compression process and segmenting the compressed digital signal into blocks;

generating a predetermined fixed value;
adding the generated fixed value at a predetermined timing to the blocks of the compressed digital signal;
encrypting the fixed value and the compressed digital signal that have been added; and
recording the fixed value and the compressed digital signal that have been encrypted to a record medium.

9. (original) The recording method as set forth in claim 8,
wherein the record medium is attachable/detachable to/from a recording apparatus.

10. (original) The recording method as set forth in claim 8,
wherein the record medium is a non-volatile memory.

11. (original) The recording method as set forth in claim 8,
wherein the fixed value is varied corresponding to a compression rate.

12. (original) The recording method as set forth in claim 8,
wherein the digital signal is a digital audio signal, and
wherein the fixed value is varied corresponding to a channel.

13. (original) The recording method as set forth in claim 8,
wherein when a plurality of blocks of the compressed digital signal compose the minimum encrypting unit, the fixed value is added to the first block of the plurality of blocks.

14. (original) The recording method as set forth in claim 8,
wherein the fixed value is added to all blocks of the plurality of blocks.
15. (currently amended) A reproducing apparatus for reproducing data of which a digital signal,
~~to~~ of which a fixed value is added at a predetermined timing to blocks of main data, is
compressed and encrypted from a record medium, comprising:
decrypted means for decrypting the compressed and encrypted digital signal;
separating means for separating the fixed value and the compressed data from the digital
signal that are decrypted by said decrypting means;
decompressing means for decompressing the compressed main data separated by said
separating means;
memory means for pre-storing a fixed value;
comparing means for comparing the fixed value separated by said separating means with
the fixed value stored in said memory means; and
controlling means for permitting and prohibiting the decompressing process of said
decompressing means for the main data decompressed by said decompressing means
corresponding to the compared result of said comparing means.
16. (original) The reproducing apparatus as set forth in claim 15,
wherein the record medium is attachable/detachable to/from the reproducing apparatus.
17. (original) The reproducing apparatus as set forth in claim 15,

wherein the record medium is a non-volatile memory.

18. (original) The reproducing apparatus as set forth in claim 15,

wherein said memory means stores a plurality of fixed values that vary corresponding to channels,

wherein the plurality of fixed values stored in said memory means are successively compared with the fixed value separated from said separating means so as to identify a channel.

19. (original) The reproducing apparatus as set forth in claim 15,

wherein said memory means stores a plurality of fixed values that vary corresponding to compression rates,

wherein the plurality of fixed values stored in said memory means are successively compared with the fixed value separated from said separating means so as to identify a compression rate.

20. (original) The reproducing apparatus as set forth in claim 15,

wherein the decompressing process is permitted for the compressed main data corresponding to the compared result in such a manner that a mute process is performed for the decompressed main data.

21. (currently amended) A reproducing method for reproducing data of which a digital signal, ~~to of~~ which a fixed value is added at a predetermined timing to blocks of main data, is compressed and encrypted from a record medium, comprising the steps of:

decrypting the compressed and encrypted digital signal;
separating the fixed value and the compressed data from the digital signal that are decrypted;
decompressing the compressed main data that is separated;
comparing the separated fixed value with the fixed value that is stored; and
permitting and prohibiting the decompressing process of comparing step for the main data that is decompressed corresponding to the compared result of comparing step.

22. (original) The reproducing method as set forth in claim 21,
wherein the record medium is attachable/detachable to/from a reproducing apparatus.

23. (original) The reproducing method as set forth in claim 21,
wherein the record medium is a non-volatile memory.

24. (original) The reproducing method as set forth in claim 21,
wherein a plurality of fixed values that vary corresponding to channels are pre-stored, and
wherein the plurality of fixed values that are pre-stored are successively compared with the fixed value separated at separating step so as to identify a channel.

25. (original) The reproducing method as set forth in claim 21,
wherein a plurality of fixed values that vary corresponding to compression rates are pre-stored, and

wherein the plurality of fixed values that are pre-stored are successively compared with the fixed value separated at separating step so as to identify a compression rate.

26. (original) The reproducing method as set forth in claim 21,

wherein the decompressing process is permitted for the compressed main data corresponding to the compared result in such a manner that a mute process is performed for the decompressed main data.